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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,153	07/10/2001	Hyun-sook Kang	Q63309	5826
7590 03/28/2008 SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, NW Washington, DC 20037-3213				
EXAMINER SAM, PHIRIN				
ART UNIT 2619		PAPER NUMBER		
MAIL DATE 03/28/2008		DELIVERY MODE PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/901,153

Applicant(s)

KANG ET AL.

Examiner

Phirin Sam

Art Unit

2619

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 6,590,928 (hereinafter referred as “Haartsen”).

Regarding amended claim 1, Haartsen discloses a wireless communication device of a wireless communication system having at least one slave device, and a single master device that is connected to the slave device (see Figs. 6 and 12, col. 11, lines 30-34) and that has information of addresses allocated to the slave devices (see Figs. 4, 6a-7, and 12), the wireless communication device comprising:

- (a) a transceiving unit for receiving an external data, and transmitting a transmission destined signal (see Fig. 12, col. 19, lines 57-61);
- (b) a controller which, when the wireless communication device is operated as a slave device connected to the single master device (see Figs. 6 and 12, col. 11, lines 30-37) and the slave device intends to communicate with another slave device, generates a packet where an address of a destination slave device received from the single master device through the transceiving unit is recorded in a destination address region, and transmits the packet through the transceiving unit to

the destination slave device only through the single master device (see Fig. 12, col. 12, lines 28-49, col. 19, lines 66-67, col. 20, lines 1-33, 63-67, and col. 21, lines 1-19);

(c) wherein the packet includes a destination address and a source address (see Figs. 6 and 12, col. 12, lines 42-49).

Regarding claim 2, Haartsen discloses the controller records the address of the destination slave device in a header region of the packet (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding claim 3, Haartsen discloses a wireless communication device of a wireless communication system having at least one slave device, and a master device that is connected to the slave device (see Figs. 6 and 12, col. 11, lines 30-34) and that has information of addresses allocated to the slave devices, the wireless communication device comprising:

(a) a transceiving unit for receiving an external data, and transmitting a transmission destined signal (see Fig. 12, col. 19, lines 57-61);

(b) a controller which, when the wireless communication device is operated as a slave device connected to the master device (see Figs. 6 and 12, col. 11, lines 30-37) and the slave device intends to communicate with another slave device, generates a packet where an address of a destination slave device received from the master device through the transceiving unit is recorded in a destination address region, and transmits the packet through the transceiving unit to the destination slave device through the master device (see Figs. 6 and 12, col. 12, lines 28-49, col. 19, lines 66-67, col. 20, lines 1-33, 63-67, and col. 21, lines 1-19);

(c) wherein the controller records a source address in a payload region of the packet (see Figs. 6 and 12, col. 12, lines 42-49).

Regarding claim 4, Haartsen discloses the source address is allocated by the master device (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding amended claim 5, Haartsen discloses a wireless communication device of a wireless communication system having at least one slave device, and a master device that is connected to the slave device and that has information of addresses allocated to the slave devices (see Figs. 6 and 12, col. 11, lines 24-47), the wireless communication device comprising:

- (a) a transceiving unit for receiving an external data, and transmitting a transmission destined signal (see Fig. 12, col. 19, lines 57-61);
- (b) a controller which, when the wireless communication device is operated as a slave device connected to the master device (see Figs. 6 and 12, col. 11, lines 30-37) and the slave device intends to communicate with another slave device, generates a packet where an address of a destination slave device received from the master device through the transceiving unit is recorded in a destination address region, and transmits the packet through the transceiving unit to the destination slave device through the master device (see Fig. 12, col. 12, lines 28-49, col. 19, lines 66-67, col. 20, lines 1-33, 63-67, and col. 21, lines 1-19);
- (c) wherein the addresses are active member addresses which the master device allocates to distinguish the connected slave devices (see Figs. 6 and 12, col. 12, lines 39-49);
- (d) wherein the packet includes a destination address and a source address (see Figs. 6 and 12, col. 12, lines 42-49).

Regarding amended claim 6, Haartsen discloses a wireless communication device of a wireless communication system having at least one slave device, and a master device that is connected to the at least one slave device (see Figs. 6 and 12, col. 11, lines 30-34) and that has

information of addresses allocated to the at least one slave device, the wireless communication device comprising:

- (a) a transceiving unit for receiving an external data, and transmitting a transmission destined signal (see Figs. 6 and 12, col. 19, lines 57-61);
- (b) a controller which, when the wireless communication device is operated as **a master** device connected to the at least one slave device (see Figs. 6 and 12, col. 11, lines 30-37), reads a packet received directly from said at least one slave device via the transceiving unit and transmits the packet directly to a corresponding slave device through the transceiving unit if there is an address of the corresponding slave device recorded in a destination address region of the packet (see Figs. 6 and 12, col. 12, lines 28-49);
- (c) wherein the packet includes a destination address and a source address (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding claim 7, Haartsen discloses the controller recognizes the address recorded in a header region of the packet as the destination address (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding claim 8, Haartsen discloses a wireless communication device of a wireless communication system having at least one slave device, and a master device that is connected to the slave device (see Figs. 6 and 12, col. 11, lines 30-34) and that has information of addresses allocated to the slave devices, the wireless communication device comprising:

- (a) a transceiving unit for receiving an external data, and transmitting a transmission destined signal (see Figs. 6 and 12, col. 19, lines 57-61);
- (b) a controller which, when the wireless communication device is operated as a master device connected to at least one slave device (see Figs. 6 and 12, col. 11, lines 30-37), reads the

packet received from the transceiving unit and transmits the packet to the corresponding slave device through the transceiving unit if there is an address of the slave device recorded in a destination address region of the packet (see Figs. 6 and 12, col. 12, lines 28-49);

(c) wherein the controller recognizes the address recorded in a payload region of the packet as an address of the transmission slave device (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding amended claim 9, Haartsen discloses a wireless communication system having at least one slave device, and a master device that is connected to the slave device (see Figs. 6 and 12, col. 11, lines 3-37) and that has information of addresses allocated to the slave devices (see col. 11, lines 24-47), the slave device obtaining an address of the destination slave device from the master device (see Figs. 6 and 12, col. 11, lines 41-47), generating a packet including the address of the destination slave device as a destination address and its the address of the slave device as a source address (see Figs. 6 and 12, col. 14, lines 37-52), and transmitting the packet to the master device (see Figs. 6 and 12, col. 14, lines 32-36), and the master device reading the received packet, and transmitting the packet to the slave device of the destination address (see Figs. 6 and 12, col. 14, lines 43-52), when the address recorded in a destination address region of the packet is the address of the slave device (see Figs. 6 and 12, and col. 12, lines 42-49).

Regarding claim 10, Haartsen discloses the slave device records the address of the destination slave device in a header region of the packet, and the master device recognizes the information recorded in the header region of the packet as the destination address (see Figs. 6 and 12, col. 12, lines 41-49).

Regarding claim 11, Haartsen discloses the slave device records its source address in a payload region of the packet (see Figs. 6 and 12, col. 12, lines 41-49).

Regarding claim 12, Haartsen discloses the address is an active member address which the master device allocates to distinguish the respective slave devices (see Figs. 6 and 12, col. 12, lines 39-49).

Regarding amended claim 13, Haartsen discloses a communication method for a wireless communication system having at least one slave device, and a master device that is connected to the slave device and that has information of addresses allocated to the slave devices (see Figs. 6 and 12, col. 11, lines 24-36), the method comprising the steps of:

- (a) obtaining an address of the destination slave device from the master device (see Fig. 6 and 12, col. 11, lines 36-47);
- (b) generating a packet including the address of the destination slave device as a destination address and the address of the slave device as a source address (see Figs. 6 and 12, col. 14, lines 21-42);
- (c) transmitting the packet to the master device so that the packet can be transmitted to the destination slave device through the master device according to the destination address recorded on the packet (see Figs. 6 and 12, col. 14, lines 28-52).

Regarding claim 14, Haartsen discloses the address of the destination slave device is recorded in a header region of the packet (see Figs. 6 and 12, col. 12, lines 41-49).

Regarding claim 15, Haartsen discloses the address of the transmission slave device is recorded in a payload region of the packet (see Figs. 6 and 12, col. 12, lines 41-49).

Regarding claim 16, Haartsen discloses the address is an active member address which the master device allocates to distinguish the respective slave devices (see Figs. 6 and 12, col. 12, lines 39-44).

Regarding amended claim 17, Haartsen discloses a communication method for a wireless communication system having at least one slave device, and a master device that is connected to the at least one slave device and that has information of addresses allocated to the at least one slave device (see Figs. 6 and 12, col. 11, lines 24-47), the method comprising:

- (a) the master device analyzing a packet received directly from a first slave device (see Figs. 6, 10, and 12, col. 17, lines 1-25, col. 19, lines 66-67, and col. 20, lines 1-7);
- (b) the master device transmitting the packet directly to a second slave device of a destination address, when an address recorded in a destination address region of the packet is the address of the second slave device (see Figs. 6, 10, and 12, col. 20, lines 19-33);
- (c) wherein the packet includes the destination address and a source address (see Figs. 6, 10, and 12, col. 12, lines 39-49).

Regarding claim 18, Haartsen discloses the master device performs the analyzing and transmitting steps (see Figs. 6 and 12, col. 19, lines 66-67, and col. 20, lines 1-7).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on Increased Flexitime Policy (IFP) Program.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272 - 2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Respectfully submitted,

Date: March 25, 2008

By: /Phirin Sam/

Phirin Sam
Primary Examiner
Art Unit 2619